



# YETDA INDUSTRY LTD.

## Technical Data Sheet

**MODEL NO : HT-170Y4**

**0805 Package 2.0\*1.25mm Chip LEDs**

### Features :

- Package in 8mm tape on 7" diameter reel
- Compatible with automatic placement equipment
- Compatible with reflow solder process

### Applications :

- Indicators
- Automotive : backlighting in dashboard and switch
- Backlight for LCD

Dice material	Emitted color	Lens Color
InGaAlP	Yellow	Water Clear

### Electrical/Optical Characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Luminous Intensity	Iv	IF=20mA		55	1	mcd
Dominant Wavelength	$\lambda_D$	IF=20mA	586		593	nm
Viewing Angle	$2\theta_{1/2}$	IF=20mA		120		Deg
Forward Voltage	V <sub>F</sub>	IF=20mA	1.8		2.4	V
Reverse Current	I <sub>R</sub>	VR=5V			10	$\mu$ A

### Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Maximum	Unit
Power Dissipation	P <sub>d</sub>	62	mW
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I <sub>F</sub> (Peak)	100	mA
Continuous Forward Current	I <sub>F</sub>	25	mA
Reverse Voltage	V <sub>R</sub>	5	V
Derating Linear From 25°C		0.3	mA/°C
Operating Temperature Range	T <sub>opr</sub>	-40 to +85	°C
Storage Temperature Range	T <sub>stg</sub>	-40 to +85	°C

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## Package Dimensions

